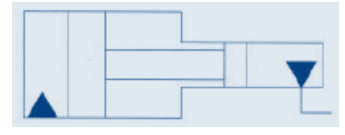
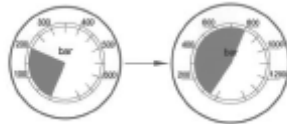


MP-T

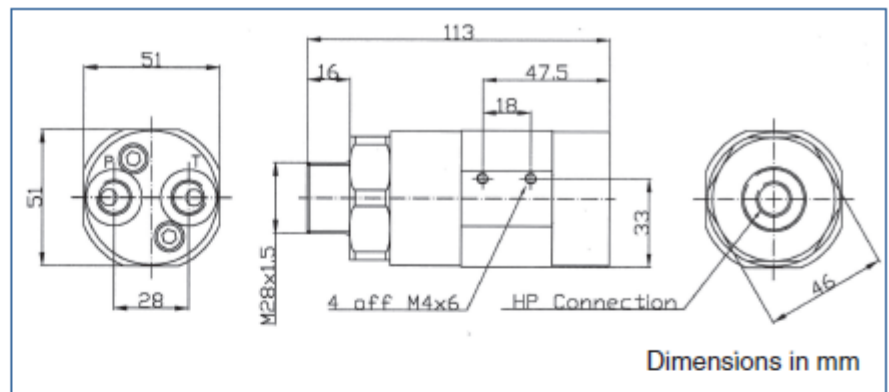
Pressure Intensifier



The MP-T is an in-line pressure intensifier designed to be positioned in a low pressure hydraulic system, and will provide higher pressure exactly where needed (max. 800 bar). Having all the required high pressure valves incorporated, the need for additional high pressure components is minimized ensuring a cost effective system. Control of the high pressure side is achieved by valves on the low pressure side through the intensifier which adds to safety. The intensifiers are offered with 7 different intensification ratios as standard with additional ratios on request to meet most intensification requirements. The compact design ensures easy installation in new as well as existing hydraulic circuits.



The standard MP-T will provide pressure intensification as required. As an option a built in pilot operated check valve, POV, allows the high pressure side to be relieved through the intensifier (see page 3).



Flow & Pressure:

The supplied flow and pressure to the MP-T are dependant on the intensification ratio chosen. The table shows the flow and pressure for each model. Flow Q1 is when the pump pressure has been reached, and flow Q2 is moving up the vertical part of the curve (see graph on page 2). Please note flow values will vary with the viscosity of the fluid. Inlet values must not be exceeded.

Ratio (i)	Inlet Flow (LPM / GPM)	Outlet Flow Q1 (LPM / GPM)	Outlet Flow Q2 (LPM / GPM)	Inlet Pressure (Bar / Psi)	Outlet Pressure (Bar / Psi)
1.5	8.0 / 2.1	0.8 / 0.21	0.3 / 0.08	200 / 2,900	300 / 4,350
2.0	8.0 / 2.1	0.8 / 0.21	0.2 / 0.08	200 / 2,900	400 / 5,800
3.4	15.0 / 4.0	2.2 / 0.58	0.5 / 0.13	200 / 2,900	680 / 9,860
4.0	14.0 / 3.7	1.8 / 0.47	0.4 / 0.10	200 / 2,900	800 / 11,600
5.0	14.0 / 3.7	1.4 / 0.37	0.3 / 0.08	160 / 2,320	800 / 11,600
7.0	13.0 / 3.4	1.1 / 0.29	0.2 / 0.05	114 / 1,653	800 / 11,600
9.0	13.0 / 3.4	0.7 / 0.19	0.1 / 0.03	89 / 1,290	800 / 11,600

Ordering Code:

First decide whether the pilot operated check valve, POV, is required, then decide the intensification ratio (i), and finally decide the connections (BSP or UNF).

Example:

MP-T with POV, intensification 5.0 and BSP connections: **MP-T-P-5.0-G**

MP-T					
POV		Supply side		High pressure side	
NO	S	G	1/4" BSP	1/4" BSP	
YES	P	U	7/16"-20 UNF	9/16"-18 UNF	
Intensification					
1.5	2.0	3.4	4.0	5.0	7.0 9.0